

Will Re-armament Wreck the 'Asian Miracle'?

The Asian miracle faces two external threats, both related to re-armament. One is that the regional arms race will trigger open hostilities. The other is that renewed conflict in the Persian Gulf will trigger an oil crisis, choking Asia's energy-hungry economies.

The immediate danger on both fronts is limited. In Asia, tangible 'peace dividends' from growth still far outweigh potential 'redistributional gains' from war, whereas in the Middle East the Arab-Israeli process remains on course. The long-run risks, however, are significantly greater. Asian growth will eventually decelerate, which implies a far thinner cushion to soften political disputes.

With the collapse of the Soviet Union and the end of the Cold War, disarmament and 'peace dividends' became fashionable topics. In his highly publicized book, *The End of History and the Last Man*, Francis Fukuyama announced that liberalism-capitalism-democracy was the winning ideological combination to which the entire world is now bound to converge.¹ An alternative outlook was offered by Samuel Huntington, who argued that far from settling in peace, the world was heading toward a 'clash of civilizations,' with the eastern world and the Islamic countries pitted against the west.²

It is too early to tell which view is right, but the answer is likely to depend on more than culture, ideology and politics. In matters of military spending and conflict, economics is no less important.

Indeed, as illustrated in Chart II-1, military spending began falling *before* the end of the Cold War — in the industrialized countries the downtrend commenced in 1988, whereas in the developing countries it started even earlier, during the early 1980s.

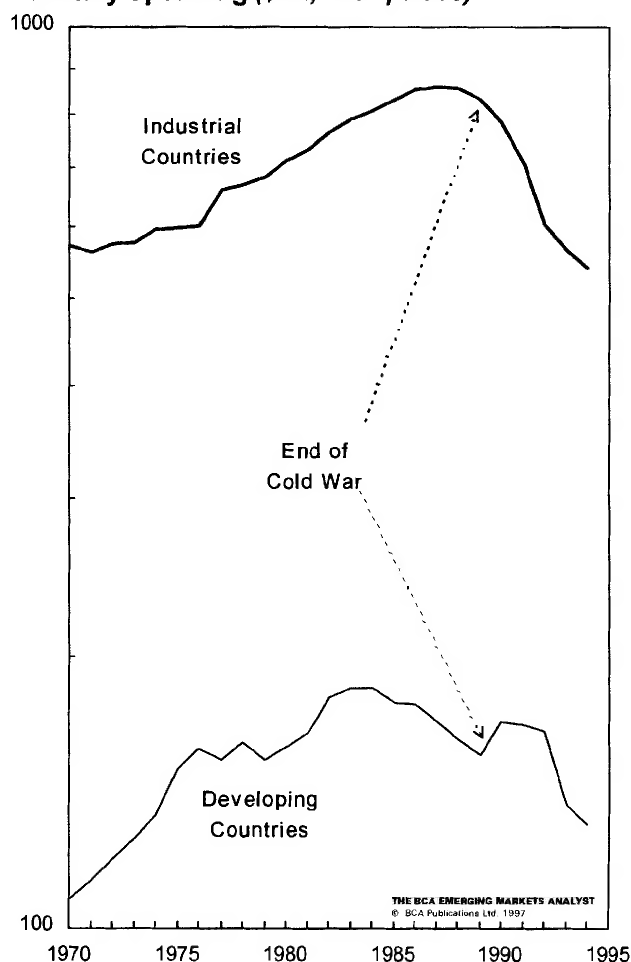
The very decision to end the Cold War was rooted, at least partly, in hard economics. As illustrated in Charts II-2A and II-2B, during the 1980s, military

spending by the Warsaw Pact was only 75% of NATO's, but this nevertheless absorbed up to 12% of its GDP compared with only 5% for NATO. These economic imbalances were crucial to the outcome of the Cold War. They also help explain why the countries of the former Warsaw Pact have curtailed their military spending by as much as 75% since the late 1980s, whereas NATO, despite its growing military superiority, cut it by only 15%.

In the developing countries, most of the decline came from the Middle East, where military spending has dropped 56% since its 1983 peak. The main reason was falling oil revenues, suggesting that here too economics is no less important than politics.

Although the data indicate that global military spending is still heading down, there is reason to believe the downturn is now close to bottoming out. In the industrial countries, the negative implications of further demilitarization for growth and employment

Chart II-1
Military Spending (\$bn, 1987 prices)

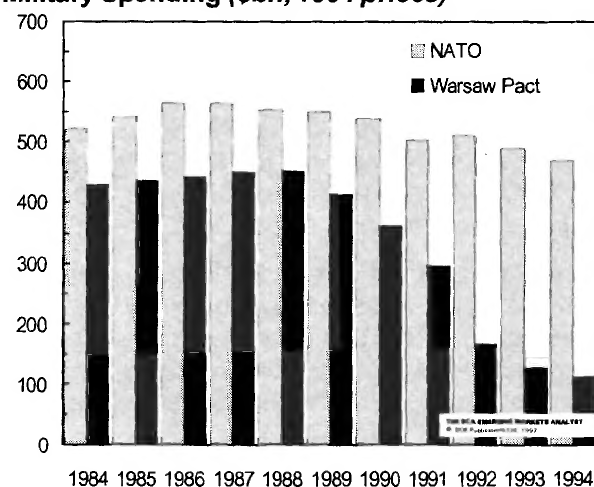


Source: US Arms Control and Disarmament Agency

1 Francis Fukuyama (1992) *The End of History and the Last Man* (New York: Free Press).

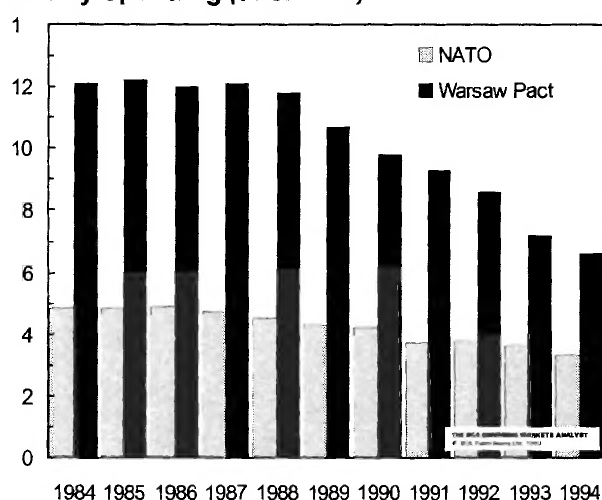
2 See Samuel P. Huntington (1993) 'A Clash of Civilizations?' *Foreign Affairs*, 72(3); *The Clash of Civilizations? The Debate* (W.W. Norton, 1994); and *The Clash of Civilization and the Remaking of World Order* (New York: Simon and Schuster, 1996).

Chart II-2A
Military Spending (\$bn, 1994 prices)



Source: US Arms Control and Disarmament Agency

Chart II-2B
Military Spending (% of GDP)



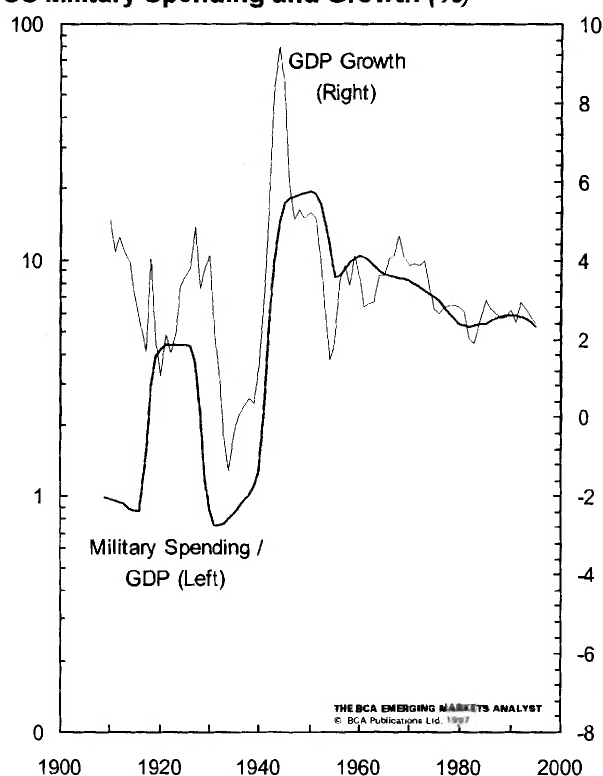
Source: US Arms Control and Disarmament Agency

is already creating political pressure to stabilize military expenditures. And in the developing countries, where most actual conflicts are played out, some regions are already experiencing a revival of military spending.³

The main developments to watch are in Asia and in the Middle East. The first region is now the principal

³ The industrial countries account for 80% of world military spending and as much as 93% of global military exports. According to the Stockholm International Peace Research Institute, however, of the 30 major armed conflicts waging around the world during 1995, none was in the industrial countries (SIPRI Yearbook, 1996, Ch. 1).

Chart II-3
US Military Spending and Growth (%)



Note: Series shown as a 10-year moving average.
Source: US Department of Commerce; Gleditsch et al. (1995)
The Peace Divided

locomotive of the world economy, the second its energy lifeline. Hostilities or the threat of hostilities in any of these two regions therefore have major implications for investors.

A farewell to arms?

Clearly, the future of world arms is intimately tied to the course of military spending in the industrialized countries, particularly in the US. The first question, then, is whether the end of the Cold War is a farewell to arms.

The tentative answer seems to be negative. The principal reason is the *positive* long-term relationship between military spending and economic growth (see Boxes II-1 and II-2 for why this may be the case).

This relationship is illustrated in Chart II-3, which contrasts US military expenditure as a share of GDP with the country's overall economic growth, both expressed as a 10-year moving average. During the first half of the century, spending on the military was highly 'cyclical' and related mainly to the two world wars. Since the 1950s, however, the US has maintained what President Eisenhower called the 'military industrial complex,' with defense spending

Box II-1

How Does Military Spending Affect Growth?

According to the great economist Joseph Schumpeter, military spending and empire-building are antithetical to capitalism. The modern capitalist, he argued, benefited far more from peace than from war, and 'a purely capitalist world therefore can offer no fertile soil to imperialist impulses.'¹ However, the experience of the twentieth century suggests that military spending has been a pretty persistent 'aberration,' so the debate about it refuses to die.

Conceptually, the effect on economic growth of military spending has two distinct components. One comes from its direct contribution to overall GDP growth, the other from the indirect impact on the country's civilian production growth.

The first impact is readily observable. Whether it adds to society's well being or not, military spending is a component of GDP, so changes in its level affect overall growth. This impact is calculated simply by multiplying the rate of growth of the military sector by its overall share in GDP.

The second impact is far more controversial.² One school of thought maintains that military spending has a positive effect on overall growth. This occurs through the 'multiplier effect,' which means that income earned from government military spending raises overall consumer demand, particularly when the economy is in a slack. In addition, military spending promotes

modernization and technological know-how, boosts infrastructure spending and increases the sense of security and national cohesion, all of which tend to raise productivity in the civilian sector. These later influences are likely to be significant in the initial stages of development. The early experience of countries such as Brazil, Korea, Israel, South Vietnam, the Soviet Union and Japan offers some credence to this view.

Another school, however, argues that military spending is a net burden on overall growth. One reason is that such spending misallocates scarce resources. The other is that it heightens and undermines business confidence, thus leading to lower investment. This view is mostly applicable to the latter stage of economic development, as suggested by the subsequent experience of some of these very countries.

However, because only the direct impact is readily observable, the *overall* growth implications of military spending (direct and indirect) are much harder to determine.

¹ Joseph A. Schumpeter (1955) *Imperialism and Social Classes* (New York: Meridian Books), p. 69.

² For a recent review of theory and evidence, see J.P. Dunne (1996) 'Economic Effects of Military Expenditure in Developing Countries: A Survey,' in N.P. Gleditsch (ed.) *The Peace Dividend* (Amsterdam: North Holland).

kept permanently high, at least in comparison to the period prior the world wars.

The significance of this long-term pattern for our purpose is its close correlation with growth. If there is indeed a causal link running from military expenditure to growth, the implication is that *further cuts in military spending would push economic growth to unacceptably low levels.*

Political pressure to raise US military spending has grown in the last couple of years. Such pressure is bound to persist, but for the time being the risk of this being translated into a major military buildup remains limited. The principal reason is the 'emerging-market boom' led by Asia.

Rapid Asian growth should keep western re-armament pressures in check . . .

The growing significance of Asia is evident from Charts II-4A and II-4B. While economic growth in

the OECD countries has trended down since the 1960s, in Asia, it moved up, particularly since the mid 1980s. The divergence has become so pronounced, that although Asia accounts for only 5% of the world's GDP, it currently generates over 1/3rd of its annual growth.

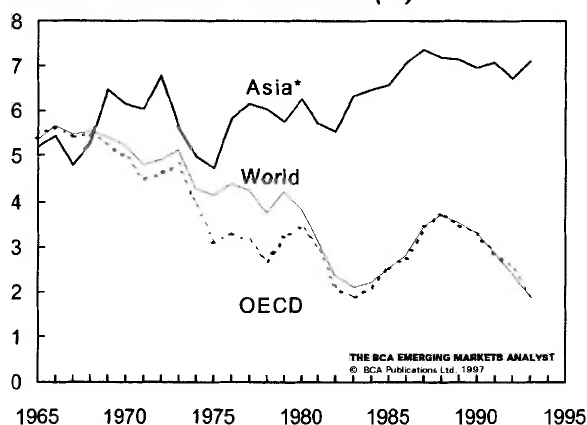
This shift has a profound impact on western business in general and on US business in particular. US-based transnational corporations now derive up to 20% of their net income from subsidiaries located in developing countries, primarily in Asia (Chart II-5).⁴ Moreover, the relative significance of US exports to

developing countries in Asia has more than quadrupled — from less than 0.4% of GDP in the

World military spending is unlikely to go down much further . . .

⁴ See 'US-Based Transnational Corporations and Emerging Markets,' in the July 1996 issue of the *BCA Emerging Markets Analyst*.

Chart II-4A
Real GDP Growth Differentials (%)



* South Asia and East Asia and Pacific (excluding Australia, Japan and New Zealand).
Note: Series show as a 5-year moving average.
Source: World Bank

Chart II-5
Net Income of US-Based Transnational Corp.

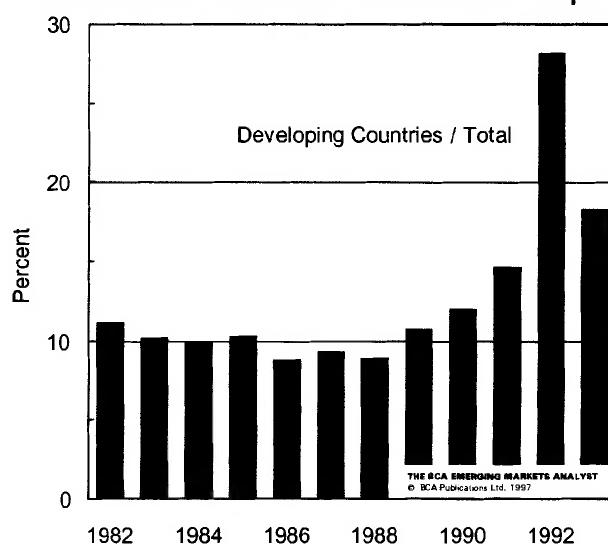
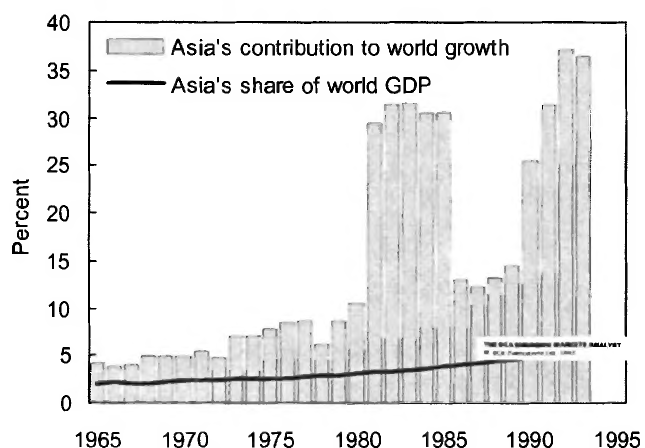
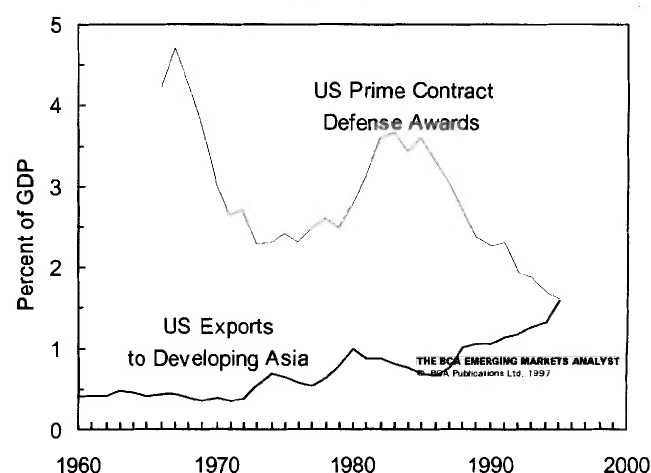


Chart II-4B
The Asian* Locomotive



* South Asia and East Asia and Pacific (excluding Australia, Japan and New Zealand).
Note: Series show as a 5-year moving average.
Source: World Bank

Chart II-6
US Exports vs. Military Procurement



Source: World Bank; US Department of Defense; IMF

early 1970s to over 1.6% presently (Chart II-6). This development is particularly fortuitous for large US corporations which were previously dependent on domestic military spending, since declining arms sales could now be 'compensated' by rising Asian exports. In 1996, these exports have for the first time surpassed weapon sales to the Pentagon.

Under these circumstances, where business prosperity in the US is decreasingly dependent on domestic growth, the pressure to raise military spending will remain muted.

Thus, although western military spending is reaching a bottom, in the absence of a clear

adversary and with Asia underwriting western profit growth, the industrial countries have no incentive for a new military buildup any time soon.

... but the Asian arms race is in full swing

The outlook for Asia is rather different. Just as it gets ready to enter the celebrated 'Pacific Century,' its economic 'miracle' looks increasingly entangled in security woes. The ghost of old conflicts is flaring-up again: a nuclear standoff between the two Koreas in 1994, a China-Philippines confrontation over the Spratlys Islands in the South China Sea during 1995, and dangerously real war games between China and Taiwan in 1995-96.

Such confrontations should not be too surprising, however. While elsewhere in the world military spending have been trending down, in Asia and the Pacific regions they are heading up (Chart II-7).

Part of this is a 'supply-side' phenomenon. East Asia's military burden, approximated by its share of military spending in GDP, is a mere 1.8% — compared to the world's average of 3% and the slightly lower OECD average of 2.7%. This lighter load, combined with economic growth 3½ times the world's average, make the purchase of military hardware far more 'affordable' in Asia than anywhere else. The 'demand-side,' however, is no less important.

Asia's unstable geopolitics

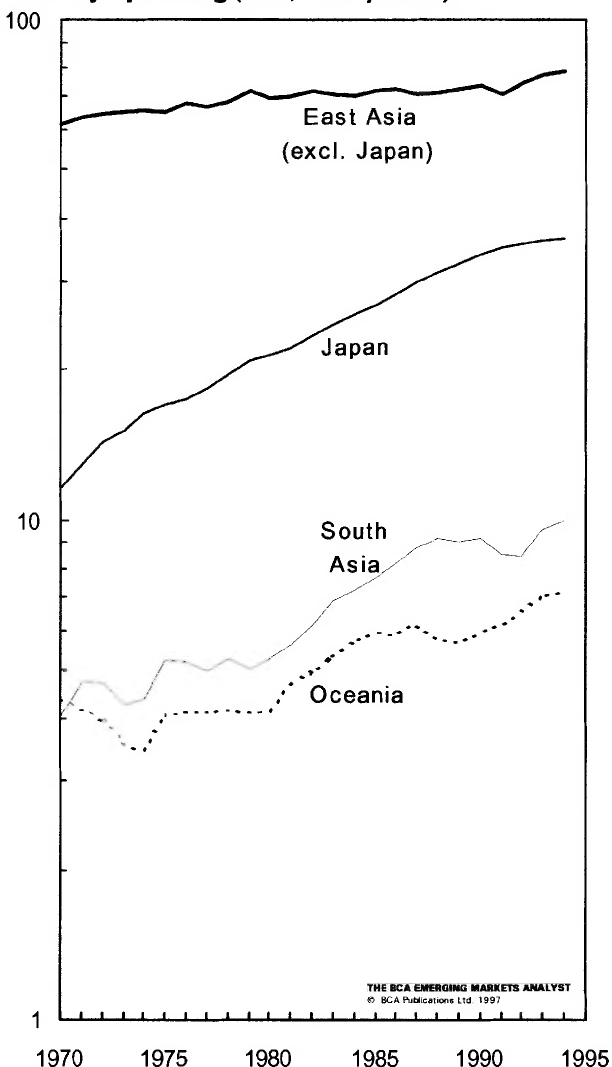
Many Asian countries feel they have good reasons to spend more on weapons. These reasons could be illustrated in reference to Chart II-8, which plots for every country its actual military spending, alongside the level of spending 'commensurate' to its GDP. The latter is computed by multiplying the country's GDP by the world's average ratio of military spending to GDP, currently estimated at 3%. The results provide some indication of the main 'military disequilibria' besieging Asia.

Until the collapse of the Soviet Union, the US Pacific Command assumed much of the responsibility for the security of Japan, South Korea, Taiwan and the ASEAN countries. But Russia as well as the US are now 'overburdened' by military spending (which still exceed 3% of their GDP by a wide margin), and with the risk of superpower confrontation gone, both are cutting their presence in Asia.

Against this backdrop, the main regional worry is the rise of China. The latter maintains Asia's largest army (2.9 mn), more than twice that of India, and is already the region's biggest military spender. However, China considers the US and Japan (rather than its immediate neighbors) to be its main adversaries, and relative to their military-technological power, it still has a long way to go. This perceived threat, together with China's rapidly expanding GDP and relatively moderate military burden (2.4% of GDP), suggest that *China's re-armament will continue*.

The void created by declining US presence could in principle be filled by Japanese re-armament, though for the time being this is not in the cards. After the second world war, Japan's constitution put a spending cap on military spending equivalent to 1% of GDP. Although small even by regional standards, combined with Japan's rapid economic growth in the

Chart II-7
Military Spending (\$bn, 1987 prices)



Source: US Arms Control and Disarmament Agency

1960s and 1970s, this proportion nevertheless enabled a rapid military buildup (Chart II-7). In recent years, however, slower growth brought a sharp deceleration in military spending growth.

The only alternative, therefore, is to remove the constitutional cap. According to unofficial sources, this has been done de facto by re-classifying some military-related spending, perhaps up to 0.5% of GDP, as civilian spending. Japan is also doing more intelligence gathering in Asia and has recently set up a spying agency with up to 2,000 new agents. And although nominally still at war, Japanese-Russian relations have been warming up recently, partly as an offset to the rise of China.

However, the troubled history of Japanese occupation in Asia during the second world war creates strong reluctance, both outside and inside

Box II-2

Does Growth Affect Military Spending?

The impact of growth on military spending is no less controversial than that of military spending on growth. One channel of influence operates directly through the overall level of GDP. In the first instance, rapid growth enlarges the overall pie, thus making military spending more 'affordable.' This has clearly been the case in the Middle-East, where the ups and downs of the oil economies have been a principal determinant of military spending, as well as in Asia where phenomenal growth enables governments to channel significant sums to the purchase of new military hardware. Moreover, if growth works to alter the geopolitical standing of a country, it could also amplify the 'need' for higher military spending. This seems to have been the case in US during the first half of this century, in the Soviet Union during the second half of the century and in China and possibly India looking into the twenty-first century. The same influence may also work in reverse. After the second world war,

Britain was no longer able to afford holding on to its empire; during the 1980s, the Soviet Union was losing its grip over Eastern Europe, while Russia is now forced to curtail its army; and with lower growth since the 1970s, the US too is finding it harder to meet its global military obligations.

Under certain circumstances, however, growth could also work to curtail spending on the military, or at least limit their use in open conflict. This is mainly the case when growth comes together with free trade — such as the creation of a single European market or the growing integration of the Asian economies. Under these latter conditions, the Schumpeterian emphasis on the benefit of peace starts to kick in (see Box II-1). Because it often heightens mutual animosity and fear, rising military spending could undermine investment and hence profit. Thus, as long as the potential loss of growth is sufficiently large, there will be significant pressure to keep military spending under control.

Japan, to any formal move toward re-armament. Japan's military prowess will therefore grow, but only piecemeal and more slowly than the region as a whole.

And so, with no clear force countervailing China, the road for a regional arms race is now wide open.

Most of the smaller countries in South East Asia — primarily ASEAN, South Korea, and Taiwan — already have their military spending at or above the world average of 3% of GDP (Chart II-8), but few see an alternative to raising this burden even further.

And the South-East Asian arms race is spilling over into South Asia.

There, the principal conflict has long been the India-Pakistan dispute over the contested province of Jammu and Kashmir; although this dispute is now softened by liberalization in the two countries, high military spending may well continue because of China. Partly due to the latter's nuclear capabilities, India (which fought two border wars with China), refuses to sign the non-proliferation treaty, which in turn puts pressure on Pakistan to maintain its own (unofficial) nuclear capabilities.

Asia therefore continues to buy weapons, and the rest of the world, led by industrial countries, appears more than willing to supply them. Large segments of the western defense sector have been bled white by

the 'peace dividend' of the ending Cold War, and so although Asian conflict could seriously undermine western business interests there, the thirst for foreign military sales is so far proving far stronger. Political barriers on arms exports to the region are relatively minor, and Asian countries are now able to acquire most state-of-the-art military hardware.

*The Asian arms
race continues, but
economic growth
keeps the lid on
military conflict . . .*

Watch those growth figures . . .

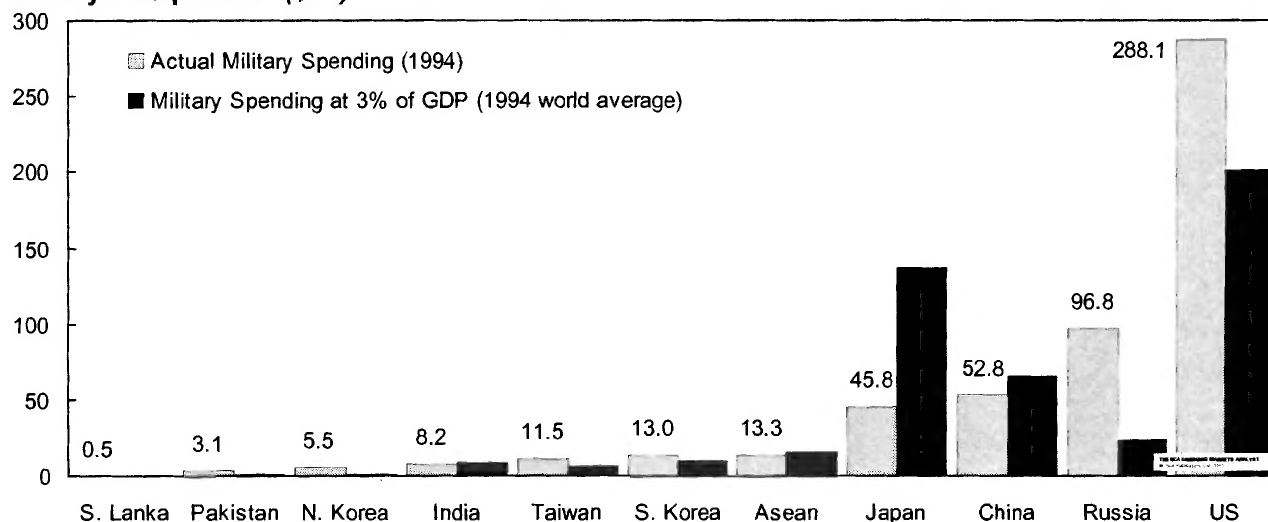
The rapid military buildup, together with Asia's numerous territorial disputes, suggest that the incidence of conflict could become more frequent. But there is a good reason to believe that, *for the time being, such conflicts will not get out of hand.*

The main reason is that conflict could spoil the benefits of growth which at this point are still too large to forego (Box II-2).

The Asian economies are growing more interdependent (Chart II-9). A decade ago, trade with the industrialized countries still accounted for over 60% of the total, but this has since dropped by almost 10%, in favor of greater intra-regional activity which now accounts for over 37%.

Notwithstanding this regional integration, external ties with the industrialized countries continue to intensify (Chart II-10). From the industrialized countries' point of view, a rising share of their FDI is heading into Asia, while on the Asian side the domestic

Chart II-8

"Military Disequilibria" (\$bn)

Source: US Arms Control and Disarmament Agency

significance of this FDI is approaching 3% of GDP, up from less than 0.5% only ten years ago.

The internal and external integration of Asia means that the economic damage from local conflict could spread far beyond its point of origin. *The implication is that third countries, both inside and outside of Asia, have a strong incentive to mediate a peaceful resolution for such conflicts before they get out of hand.*

Under these circumstances, the flare-up of local tension could create significant opportunities for alert investors: this has been the case in the wake of the

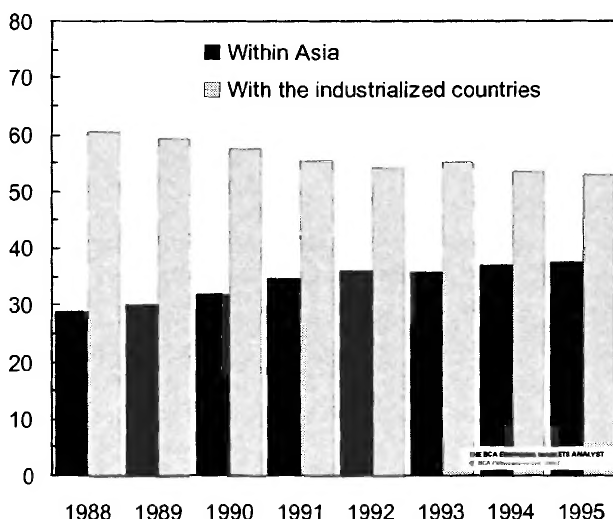
1994 nuclear standoff in Korea, and following the China-Taiwan war games in 1996.⁵

How long this environment of 'militarization-without-war' can continue is of course difficult to tell. However, since the interest in reconciliation is intimately related to the perceived benefits from growth, investors can use simple rough-and-ready indicators to assess the risk of these expectations turning sour.

Chart II-11 provides two such indicators. One indicator is the ratio of FDI to profit remittances. By measuring how much foreign investors are pouring into the region relative to how much they are taking out of it, this ratio provides a barometer for long-term business expectations. Standing at 6:1, this ratio is currently way above the developing countries' average of 3.4:1, and is still rising.

However, because the FDI-to-remittances ratio is available only with a lag, it is useful to have a leading indicator for it. Such indicator is provided by the long-term moving average of Asia's growth differential *vis á vis* the world economy. Although investors are forward-looking, much of their future outlook is shaped by past experience. This means that long-term expectations tend to respond only

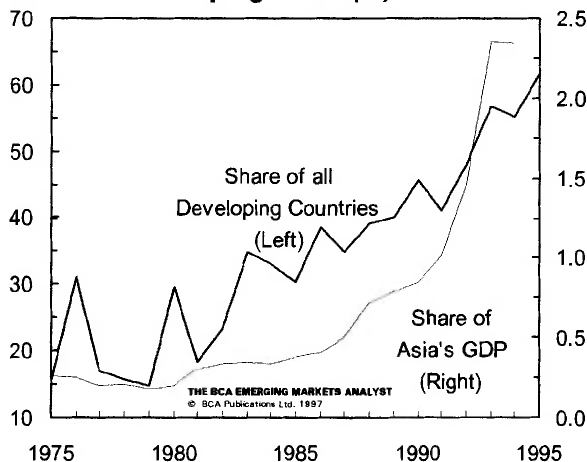
Chart II-9

Percent of Total Asian Trade

Source: IMF

⁵ EMA subscribers have been alerted to the 'nuclear opportunity' in Korea in our April 1994 issue. The investment opportunity in Taiwan was picked up by our *Phoenix* model during its inception in October 1995 and elaborated in the Taiwan Quarterly a month later.

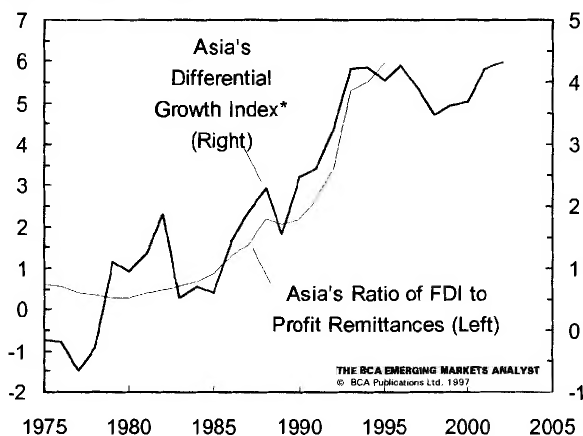
Chart II-10
Net FDI in Developing Asia * (%)



* South Asia and East Asia and Pacific (excluding Australia, Japan and New Zealand).

Source: World Bank

Chart II-11
The Asian Road Ahead



* Asian less world growth, expressed as a 5-year moving average and lagged 10 years

Source: World Bank

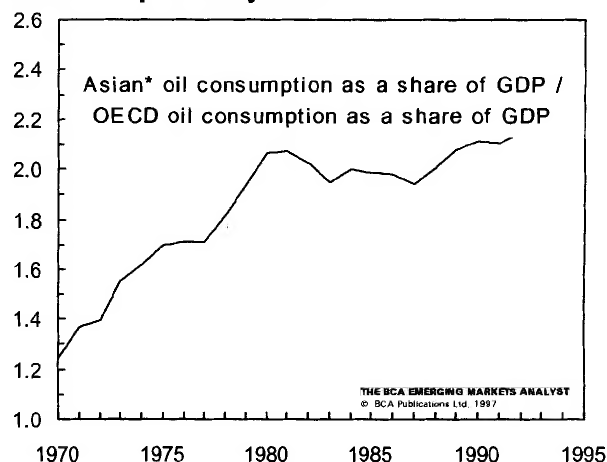
gradually to changing circumstances, and with a considerable lag.

The correlation, evident in Chart II-11, between the long-term investment mood (proxied by the FDI/remittances ratio) and the growth differential underlying it, seems to confirm this logic. The contours of this correlation lead to two tentative conclusions:

(1) Given that the leading growth-differential indicator is still edging up, for the next decade or so long term expectations will likely remain high. Therefore, although militarization may well continue, the risk of this triggering open hostilities will remain limited.

(2) Beyond this time range, however, all bets are off. Sooner or later, some Asian economies will begin to

Chart II-12
Relative Dependency on Oil



* South Asia and East Asia and Pacific (excluding Australia, Japan and New Zealand).

Source: BP, World Bank

'mature,' and as this feeds into a smaller growth differential, the dividends from peace may prove too small to offset the winds of war. Of course, given that in many parts of Asia — most notably India — the urbanization process is still in its early stage, this maturation could still be far off.⁶

However, Asia's growth is vulnerable to an *external* shock which could come much earlier.

The Middle-East energy link

One possible trigger for such shock is another energy crisis. As illustrated in Chart II-12, over the past quarter century, Asia's dependency on oil has risen sharply relative to the OECD. In 1970, Asian countries spent 17% more on energy for every dollar worth of GDP than did the OECD countries. But following the capital-intensive industrialization of the former and the gradual transition to labor-intensive services in the latter, the difference has risen to 116% presently.

Now, as Table II-1 indicates, Asia is highly dependent on imported oil. Thus, with the possible exception of Indonesia and Malaysia, most countries in the region will likely see their competitiveness eroded sharply in the event of an oil crisis.

This risk is illustrated in Chart II-13, which relates Asia's trade deficit, expressed as a percent of its

6 On the significance of urbanization for the growth process, see 'Can Brazil continue to outperform India?' in the December 1996 issue of the *BCA Emerging Markets Analyst*.

Table II-1
Oil Production, Consumption and Surplus (1995)

	Production (mn tons/year)	Consumption (mn tons/year)	Surplus +/- (%)
Australia	25.1	35.2	-29%
China	149.0	157.5	-5%
India	37.1	67.6	-45%
Indonesia	73.8	38.6	+91%
Japan	--	267.3	-100%
Malaysia	34.9	20.0	+75%
New Zealand	--	5.6	-100%
Pakistan	--	15.3	-100%
Philippines	--	16.8	-100%
Singapore	--	26.9	-100%
South Korea	--	94.8	-100%
Taiwan	--	35.4	-100%
Thailand	--	33.3	-100%

Source: BP

overall trade (exports plus imports), with the annual change in the price of crude oil (lagged one year). The tight correlation between the two series exists because higher oil prices make Asian exports less competitive, while at the same time raising its import bill.

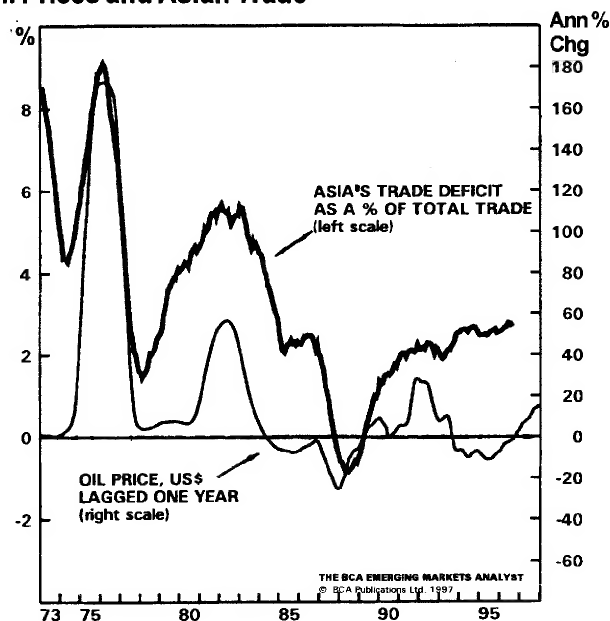
In general, the overall effect of rising oil prices tends to be *stagflationary*: it chokes the economy by slowing the export sector, while concurrently putting upward pressure on prices by weakening the currency and by pushing up the cost of energy.

Because of Asia's higher energy intensity, the stagflationary effect tends to be stronger there than in the industrial countries. This makes the price of oil a good leading indicator for the *relative* performance of Asian emerging equity markets against those of the industrial countries (Chart II-14).

Thus, Asian equity prices suffered disproportionately following the brief oil price spike of the 1990/1 Gulf War, and were undermined again by the firming of oil prices since 1995. Clearly, if oil prices continue to move up, or if there is a new oil crisis, Asia is in for a rough ride.

How likely is such a crisis? Again, although this is difficult to answer, certain considerations are worth noting.

Chart II-13
Oil Prices and Asian Trade



According to estimates published by the OECD's International Energy Agency (IEA) and the US Energy Information Administration (EIA), rising demand for oil could require production levels in 2005 to be as much as 1/3rd higher than presently. This translates to an additional 17 mn/bbl per day over today's level of 68 mn/bbl. Based on these estimates and on the geographical distribution of existing oil reserves, the US Congressional Research Service suggests that much of this new capacity will have to come from the Middle East.⁷ However, oil producers there plan to raise their daily capacity by only 6.5 mn/bbl. Moreover, even that is uncertain given the estimated \$120 bn price tag which the cash-hungry Persian Gulf countries may find difficult to raise. If this excess-demand scenario unfolds, the result may be a genuine oil shortage.

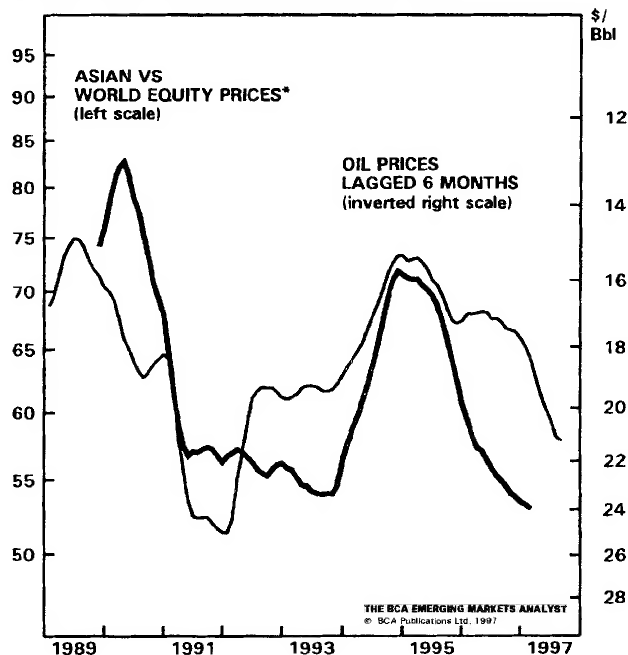
However, past experience suggests that proven oil reserves and production facilities are very responsive to higher prices, while

demand growth could be significantly affected by greater energy efficiency and alternative energy sources. Indeed, the facts of the matter are that the

*... An oil crisis
triggered by war in
the Middle East
could derail the
Asian locomotive.*

⁷ See J.P. Riva Jr., 'World Oil Production After Year 2000: Business As Usual or Crises?' Congressional Research Service, Report to Congress, August, 1995.

Chart II-14

Oil Prices and Asian Stock Markets

* Emerging Markets Asia (IFC) vs. World MSCI.

world is yet to experience an energy crisis due to a real shortfall of oil.

The more important risk is political-economic in nature. Note that all three energy crises of the post-war era were associated with military conflicts in the Middle-East: the 1967 and 1973 Israel-Arab wars, the 1979 Islamic Revolution in Iran and the 1980 onset of the Iraq-Iran War. In all three cases, the principal fear driving oil prices was not of a *physical* shortage of oil, but of a *politically-imposed* one.

With the end of the Cold War, the Middle East is no longer a theater of superpower confrontation, and regional tensions could ease further as the Israeli-Arab peace process proves sustainable. However, a decade of depressed oil prices has heightened internal strife in the Persian Gulf, particularly in Saudi Arabia. Although petroleum prices have recovered over the past year, re-establishing political stability may require prices to remain high for a much longer period. In the interim, crisis could return and without much prior notice.

Also, oil prices could be adversely affected by political developments in Asia. Indonesia, a large oil producer, is undergoing a succession period whose outcome is highly uncertain. And many of Asia's regional disputes — most notably those in the Spratly Islands — are directly related to oil.

Investment Conclusions

- World military spending is close to a bottom. Further declines in the US will be detrimental to growth and are therefore unlikely. However, a new military buildup is also not in the cards as long as Asian economic growth keeps fueling US profits.
- The gradual withdrawal of Russia and the US from Asia is creating a power vacuum. The major geopolitical disequilibrium arises because China is re-arming rapidly, while for political reasons, Japan can do so only very slowly. The smaller countries therefore have no choice but to build up their own arsenal.
- For the next decade or so, however, open conflict could well be averted. Because the 'peace dividends' from rapid Asian growth remain far larger than the 're-distributional gains' from war, third countries outside and inside the region have a significant interest in peaceful conflict resolution.
- An environment of 'militarization-without-war' is therefore likely to persist for the next decade or so. Under these circumstances, bear markets triggered by local tensions could offer significant contrarian opportunities for investors.
- The longer-term outlook is more uncertain. Asia's military arsenals are growing, and as its economies begin to mature and growth starts to tatter, conflict will intensify while the imperative to resolve it peacefully weakens.
- Finally, the Asian economies are energy-intensive and for the most part depended on imported oil. This makes their trade balance, currencies and equity markets highly vulnerable to an oil crisis. The main risk for such a crisis is military conflict in the Middle East or political instability in other oil-producing regions, although the magnitude and timing of such risk are difficult to determine.

8 For more on the Middle East outlook, see 'Israel and South Africa: Prospects for their transitions,' in the February 1996 issue of the *BCA Emerging Markets Analyst*, and 'The Middle East: Another reversal of expectations?,' in the January 1997 issue.